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1	1	("5889935").PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/02/18 12:29
2	0	("5889935").PN.) and multihop	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/02/18 12:30
3	0	("5889935").PN.) and multiexecute	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/02/18 12:30

PAT-NO: JP02003167685A

DOCUMENT-IDENTIFIER: JP 2003167685 A

TITLE: METHOD FOR REVERSING COMMUNICATION
PATH BETWEEN STORAGE DEVICES

PUBN-DATE: June 13, 2003

INVENTOR-INFORMATION:

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APPL-NO: JP2002330684

APPL-DATE: November 14, 2002

PRIORITY-DATA: 2001332991 (November 14, 2001) ,
2001998683 (November 30,
2001)

INT-CL (IPC): G06F003/06

ABSTRACT:

PROBLEM TO BE SOLVED: To automate an RDF (remote data framework) constitution changing process to enable a host to correct the constitution of the RDF.

SOLUTION: A method for reversing a communication path between a first volume on a first storage device and a second volume on a second

storage device is provided with a stage for making communication between the first volume and the second volume suspended while maintaining operations of the other volumes of the storage devices, a stage for changing the first volume from a source volume to a destination volume without making the first volume ineffective, a stage for changing the second volume from the destination volume to the source volume without making the second volume ineffective, and a stage for restarting communication between the first volume and the second volume.

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PUB-NO: EP001313017A1

DOCUMENT-IDENTIFIER: EP 1313017 A1

TITLE: Reversing a communication path
between storage devices

PUBN-DATE: May 21, 2003

INVENTOR-INFORMATION:

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APPL-NO: EP02024813

APPL-DATE: November 7, 2002

PRIORITY-DATA: US33299101P (November 14, 2001) ,
US99868301A (November 30,
2001)

INT-CL (IPC): G06F011/14, G06F011/20

ABSTRACT:

CHG DATE=20030702 STATUS=O>ayerayerayerayerReversing a communication path between a first volume on a first storage device and a second volume on a second storage device includes suspending communication between the first and second volumes while maintaining operations for other volumes of the storage devices, causing the first volume to change from a source volume to a destination volume without destroying the first volume,

causing the second
volume to change from a destination volume to a source
volume without
destroying the second volume, and resuming communication
between the first and
second volumes. Causing the first volume to change from a
source volume to a
destination volume may include modifying a table of the
first storage device.
Causing the second volume to change from a source volume to
a destination
volume may include modifying a table of the second storage
device. first

DOCUMENT-IDENTIFIER: US 20020169925 A1

TITLE: Storage apparatus system and method
of data backup

----- KWIC -----

Current US Classification, US Secondary Class/Subclass -
CCSR (2):
711/162

Summary of Invention Paragraph - BSTX (20):

[0018] Under above circumstance, the data of the storage apparatus system having the logical volume as the source of the copy is destroyed, even if the file system recovery program such as fsck runs for the storage apparatus system having the logical volume as the destination of the copy, it does not function effectively, and as a result the possibility that many files are lost is high. Because, the fsck with on the basis of the assumption that there is no contradiction between the directory structure of the storage apparatus system having the source volume and the directory structure of the storage apparatus system having the destination volume.

Summary of Invention Paragraph - BSTX (21):

[0019] In the light of the foregoing, the present invention has been made in order to solve the above-mentioned problems associated with the prior art, and it is therefore an object of the present invention to provide means for even when carrying out the remote copy of the no guarantee to order, keeping the coherency of the file system structure in the destination volume, so that even when the data in the source volume is destroyed, the data

in the source volume
is recovered from the destination volume by maintaining the
coherency of the
source volume.

Detail Description Paragraph - DETX (143):

[0198] In the present embodiment, the copy of the data
for duplicating the
volume image of the main main-volume 1300 is carried out in
such a way that of
the data which is stored in the source volume and in the
destination volume,
only the differential data is subjected to the differential
copy.